00-713-i13 seq list

RECEIVED

DEC 0 1 2003

TECH CENTER 1600/2900

SEQUENCE LISTING

- <110> Mirkin, Chad A. Letsinger, Robert L. Mucic, Robert C. Storhoff, James J. Elghanian, Robert Taton, Thomas A.
- <120> NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO AND USES THEREFOR
- <130> 00-713-i13
- <140> 09/975,384
- <141> 2001-10-11
- <150> 09/603,830
- <151> 2000-06-26
- <150> 09/344,667
- <151> 1999-06-25
- <150> 09/240,755
- <151> 1999-01-29
- <150> PCT/US97/12783
- <151> 1997-07-21
- <150> 60/031,809
- <151> 1996-07-29
- <150> 60/200,161
- <151> 2000-04-26
- <160> 64
- <170> Microsoft Word 2000
- <210> 1
- <211> 20
- <212> DNA
- <213> Artificial Sequence
- <220>
- <223> Description of Artificial Sequence:random synthetic sequence
- <400> 1
- aaacgactct agcgcgtata

20

- <210> 2
- <211> 20
- <212> DNA
- <213> Artificial Sequence
- <223> Description of Artificial Sequence:random

synthetic sequence <400> 2 20 atggcaacta tacgcgctag <210> 3 <211> 16 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:random synthetic sequence <400> 3 16 ccttgagatt tccctc <210> 4 <211> 16 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:random synthetic sequence <400> 4 16 gagggaaatc tcaagg <210> 5 <211> 18 <212> DNA <213> Artificial Sequence <223> Description of Artificial Sequence:random synthetic sequence <400> 5 18 aacttgcgct aatggcga <210> 6 <211> 26 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:random synthetic sequence <400> 6 26 aagttgcgct ttacggctaa tggcga

<210> 7

<211><212><213>		•	
<220> <223>	Description of Artificial synthetic sequence	Sequence:random	
<400> tctcct	7 ctccc ttttc	1	.5
<210><211><212><213>	15		
<220> <223>	Description of Artificial synthetic sequence	Sequence:random	
<400> gaaaaq	8 gggaa ggaga		١5
<210><211><212><213>	15		
<220> <223>	Description of Artificial synthetic sequence	Sequence:random	
<400>	9 ccctt cctct	1	1.5
<210><211><212><213>	28	,	
<220> <223>	Description of Artificial synthetic sequence	Sequence:random	
<400> aaacga	10 actct agcgcgtata gttgccat	2	2.8
<210><211><212><212><213>	28		
<220> <223>	Description of Artificial synthetic sequence	Sequence:random	

<400> 11 atggcaacta tacgcgctag agtcgttt	28
<210> 12 <211> 15 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:random synthetic sequence	
<400> 12 cctatcgacc atgct	15
<210> 13 <211> 30 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:random synthetic sequence	
<400> 13 agcatggtcg ataggaaacg actctagcgc	30
<210> 14 <211> 15 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:random synthetic sequence	
<400> 14 gcgctagagt cgttt	15
<210> 15 <211> 30 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:random synthetic sequence	
<400> 15 agcatggtcg ataggatggc aactatacgc	30
<210> 16 <211> 24	

00-713-i13 seq list

<212> <213>	DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence:random synthetic sequence	
<400> gtcgat	16 cagga aacgactcta gcgc	24
<210><211><211><212><213>	30	
<220> <223>	Description of Artificial Sequence:random synthetic sequence	
<400> agcato	17 ggttg ataggaaacg actctagcgc	30
<210><211><212><213>	30	
<220> <223>	Description of Artificial Sequence:random synthetic sequence	
<400> agcato	18 gtttg ataggaaacg actctagcgc	30
<210><211><212><212><213>	12	
<220> <223>	Description of Artificial Sequence:random synthetic sequence	
<400> tctcaa	19 actcg ta	12
<210><211><212><212><213>	12	
<220> <223>	Description of Artificial Sequence:random	

<400> 20 cgcattcagg at	12
<210> 21 <211> 24 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:random synthetic sequence	
<400> 21 tacgagttga gagagtgccc acat	24
<210> 22 <211> 24 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:random synthetic sequence	
<400> 22 tacgagttga gaatcctgaa tgcg	24
<210> 23 <211> 24 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:random synthetic sequence	
<400> 23 tacgagttga gaatcctgaa tgct	24
<210> 24 <211> 24 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:random synthetic sequence	
<400> 24 tacgagttga gactcctgaa tgcg	24
<210> 25 <211> 23 <212> DNA	

.012.	Autificial Compans		
<213>	Artificial Sequence		
<220> <223>	Description of Artificial	Sequence:random	
<400>			23
tacgag	gttga gaatcctgaa tgc		د ع
<210><211>			
<212>			
<220>			
<223>	Description of Artificial synthetic sequence	Sequence: random	
<400>	26 gttga gacateetga atgeg		25
cacgag	jitga gacattetga atgeg	•	
<210°>	27	•	
<211>			
<212> <213>	Artificial Sequence		
<220>			
<223>	Description of Artificial synthetic sequence	Sequence:random	
<400>			
tacgag	gttga gaatcctgaa tgcg	•	24
<210>	28		
<211>	12		
<212>	DNA Artificial Sequence		
	merricul bequence		
<220> <223>	Description of Artificial	Sequence: random	
	synthetic sequence	•	
<400>	28		
taggad	cttac gc		12
<210><211>			
<211>			
	Artificial Sequence		
<220>			
<223>	Description of Artificial synthetic sequence	Sequence:random	
<400>	29		

tacgag	ttga gaccgttaag acgaggcaat catgcaatcc tgaatgcg	48
<210><211><211><212><213>	24	
<220> <223>	Description of Artificial Sequence:random synthetic sequence	
<400> tgcatg	30 attg cctcgtctta acgg	24
<210><211><212><213>	72	
<220> <223>	Description of Artificial Sequence:random synthetic sequence	
	31 Ittga gaccgttaag acgaggcaat catgcatata ttggacgctt tacggacaac Jaatg cg	60 72
<210><211><211><212><213>	48	
<220> <223>	Description of Artificial Sequence:random synthetic sequence	
<400> gttgto	32 egta aagegteeaa tatatgeatg attgeetegt ettaaegg	48
<210><211><211><212><213>	12	
<220> <223>	Description of Artificial Sequence:random synthetic sequence	
<400>	33 actcg ta	12
<210><211><211>	24	

<213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:random synthetic sequence	
<400> 34 tacgagttga gaatcctgaa tgcg	24
<210> 35 <211> 12 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:random synthetic sequence	
<400> 35 cgcattcagg at	12
<210> 36 <211> 141 <212> DNA <213> anthrax	
<400> 36 ggcggatgag tcagtagtta aggaggctca tagagaagta attaattcgt caacagaggg attattgtta aatattgata aggatataag aaaaatatta tccagggtta tattgtagaa attgaagata ctgaagggct t	60 120 141
<210> 37 <211> 15 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:random synthetic sequence	
<400> 37 taacaataat ccctc	15
<210> 38 <211> 15 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:random synthetic sequence	
<400> 38 atccttatca atatt	15

<210><211><211><212><213>	30	
	Description of Artificial Sequence:random synthetic sequence	
<400> tgagco	39 etcet taactactga etcateegee	30
<210><211><211><212><213>	25	
	Description of Artificial Sequence:random synthetic sequence	
<400> tgttga	40 acgaa ttaattactt ctcta	25
<210><211><211><212><213>	27	
	Description of Artificial Sequence:random synthetic sequence	
<400> tataac	41 ecctg gataatattt ttettat	27
<210><211><211><212><213>	29	
	Description of Artificial Sequence:random synthetic sequence	
<400> aagccc	42 Ettca gtatetteaa tttetaeaa	29
	22	
-220-		

<223>	Description of Artificial synthetic sequence	Sequence:random	
<400> tctca	43 actcg taaaaaaaaa aa		22
<210><211><212><212><213>	24		
<220> <223>	Description of Artificial synthetic sequence	Sequence:random	
<400> tacga	44 gttga gaateetgaa tgeg		24
<210><211><212><213>	22		
<220> <223>	Description of Artificial synthetic sequence	Sequence:random	
<400> aaaaa	45 aaaaa cgcattcagg at		22
<210><211><212><213>	22		
<220> <223>	Description of Artificial synthetic sequence	Sequence:random	
<400> tctca	46 actcg taaaaaaaaa aa		22
<210><211><212><213>	22		
<220> <223>	Description of Artificial synthetic sequence	Sequence:random	
<400>	47		22

<210><211><211><212><213>	24	
<220> <223>	Description of Artificial Sequence:random synthetic sequence	
<400> tacgag	48 gttga gaatcctgaa tgcg	24
<210><211><211><212><213>	24	
<220> <223>	Description of Artificial Sequence:random synthetic sequence	
<400> ctactt	49 Lagat cegagtgeec acat	24
<210><211><212><213>	12	
<220> <223>	Description of Artificial Sequence:random synthetic sequence	
<400> cgcatt	50 ccagg at	12
<210><211><212><213>	32	
<220> <223>	Description of Artificial Sequence:random synthetic sequence	
<400> aaaaaa	51 aaaaa aaaaaaaaa cgcattcagg at	32
<210><211><211><212><213>	32	
<220> <223>	Description of Artificial Sequence:random	

synthetic sequence <400> 52 32 cgcattcagg atwwwwwww wwwwwwww ww <210> 53 <211> 12 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:random synthetic sequence <400> 53 12 atcctgaatg cg <210> 54 <211> 12 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:random synthetic sequence <400> 54 12 atcctgaatg cg <210> 55 <211> 20 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:random synthetic sequence <400> 55 20 aaaaaaaaa aaaaaaaaa <210> 56 <211> 27 <212> DNA <213> Anthrax <400> 56 ggattattgt taattattga taaggat 27 <210> 57 <211> 12

<212> DNA <213> Anthrax

<400> 57 taacaatnat cc	12
<210> 58 <211> 15 <212> DNA <213> Anthrax	
<400> 58 atccttatca atatt	15
<210> 59 <211> 12 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:random synthetic sequence	
<400> 59 tctcaactcg ta	12
<210> 60 <211> 24 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:random synthetic sequence	
<400> 60 tacgagttga gaatcctgaa tgcg	24
<210> 61 <211> 48 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:random synthetic sequence	
<400> 61 gcgtaagtcc taacgtacta acggagcaga attgccagag ttgagcat	48
<210> 62 <211> 72 <212> DNA <213> Artificial Sequence	
<220>	

00-713-i13 seq list

synthetic sequence

<400>							
	agtcc t gagc a		atttcgcagg	ttatatacgt	actaacggag	cagaattgcc	60 72
- 5 - 5							
<210>	63						
<211>	24						
<212>	DNA						
<213>	Artif:	icial Seque	ence				
<220>							
<223>		iption of A etic sequer		Sequence:ra	ndom		
<400>	63						
tgcate	gattg (cctcgtctta	acgg				24
				,			
<210>							
<211>							
<212>							
<213>	Artif	icial Seque	ence				
<220>							
<223>		iption of <i>P</i> etic sequer		Sequence:ra	ndom		
<400>	64						
		aagcgtccaa	tatatgcatg	attgcctcgt	cttaacgg		48